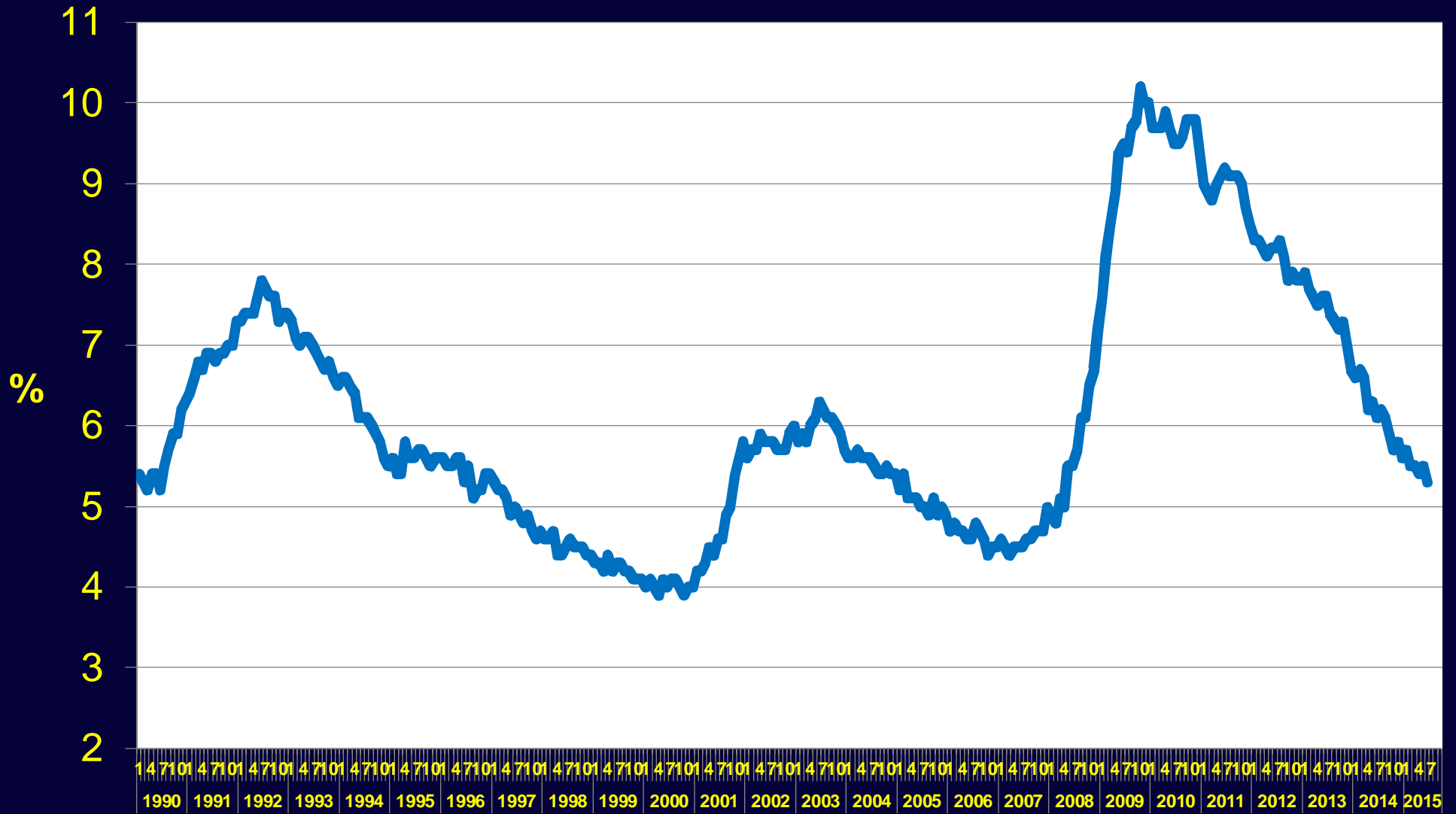
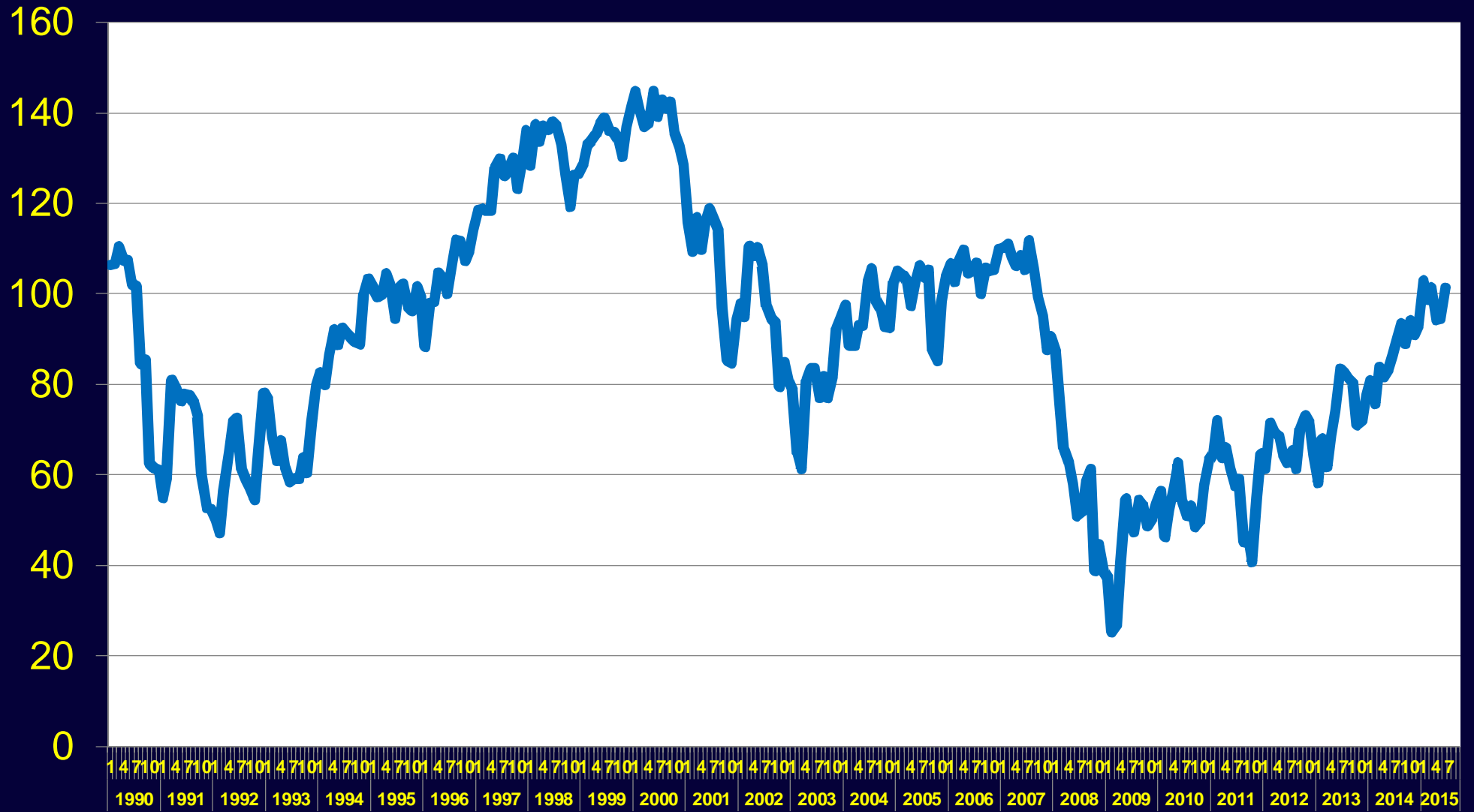


U.S. Civilian Unemployment Rate



U.S. Consumer Confidence



Conference Board

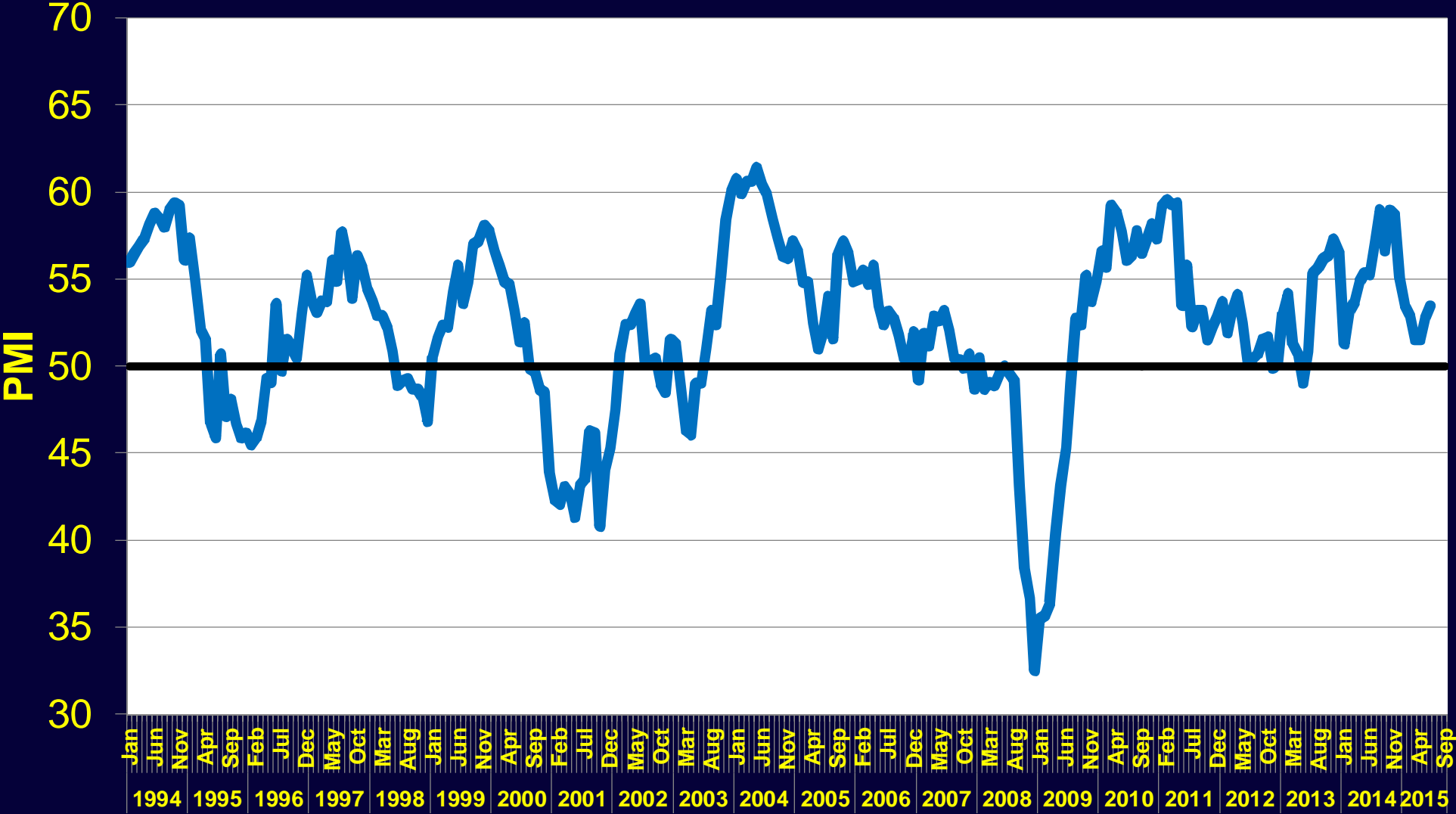
<http://www.conference-board.org/data/bcicountry.cfm?cid=1;>

future.aae.wisc.edu/data/monthly_values/by_area/998?area=US

Chart 3

U.S. PMI "Purchasing Managers" Index Institute of Supply Management

Diffusion Index, >50 = Growth



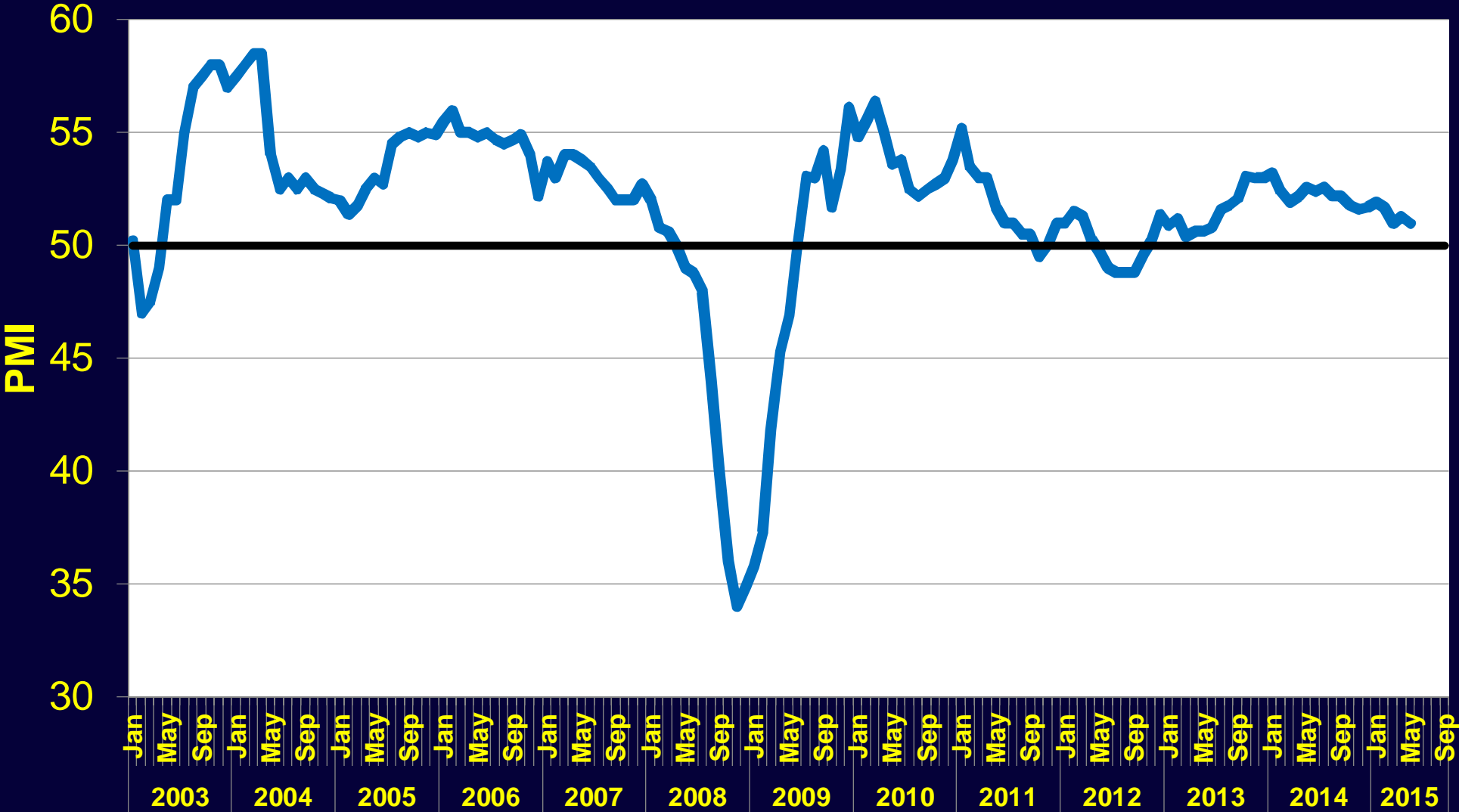
Industrial Production – World

% Change vs. One Year Earlier

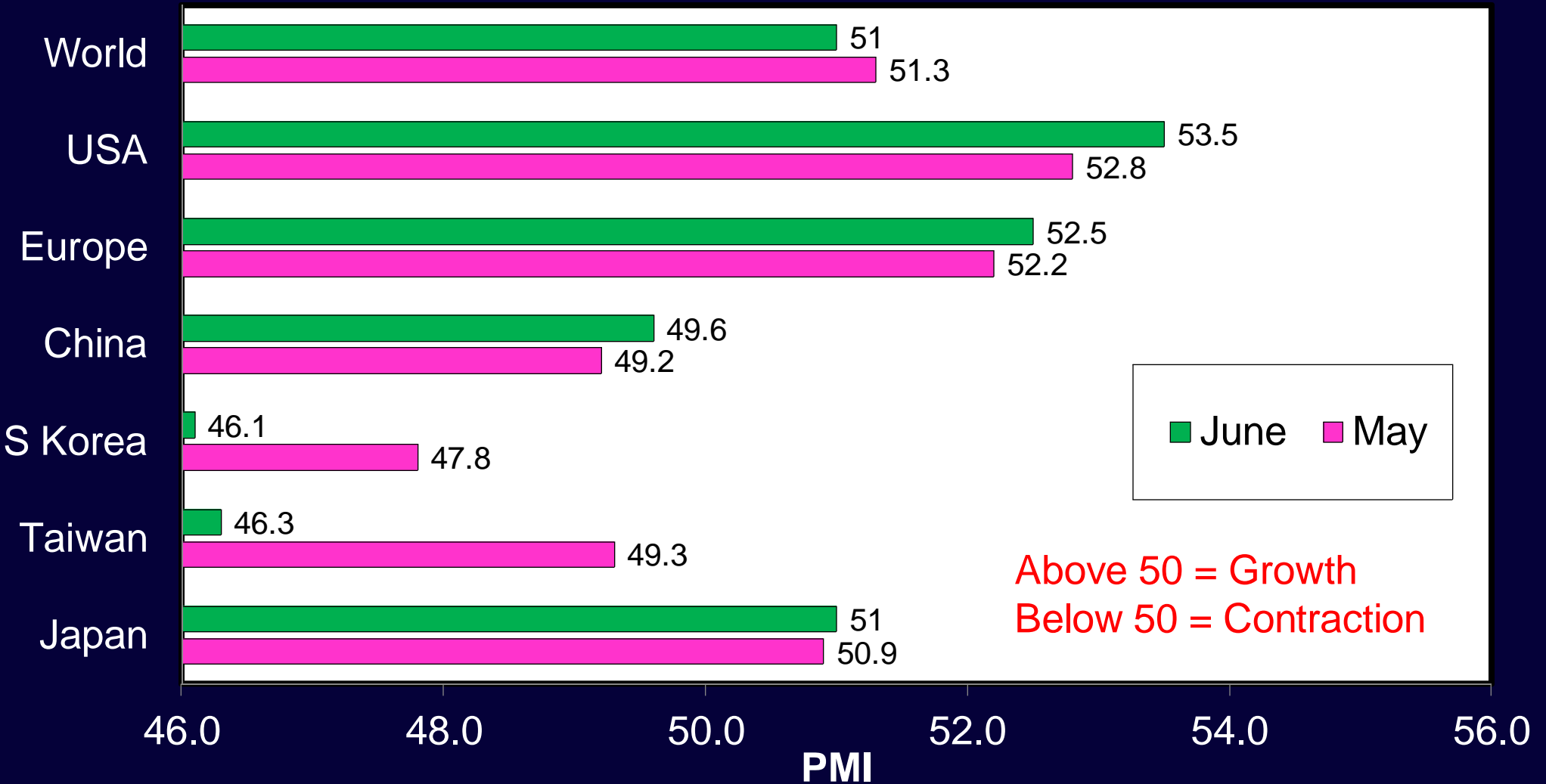
Britain	+ 1.2 Apr
Czech Republic	+ 4.3 Apr
France	- 0.1 Apr
Germany	+ 1.4 Apr
Italy	+ 0.1 Apr
Netherlands	+ 0.8 Apr
Russia	- 5.4 May
Spain	+ 2.7 Apr
Euro Area	+ 0.8 Apr
Canada	- 2.1 Apr
USA	+ 1.4 May
China	+ 6.1 May
India	+ 4.1 Apr
Malaysia	+ 4.1 Apr
Vietnam	+11.1 Jun
Singapore	- 2.4 May
S Korea	- 2.8 May
Taiwan	- 3.2 May
Thailand	- 7.6 May
Japan	- 4.0 May

Global "Purchasing Managers" Index

Diffusion Index, >50 = Growth



Purchasing Managers' Indices June vs. May 2015



Eurozone "Purchasing Managers" Index

Diffusion Index, >50 = Growth

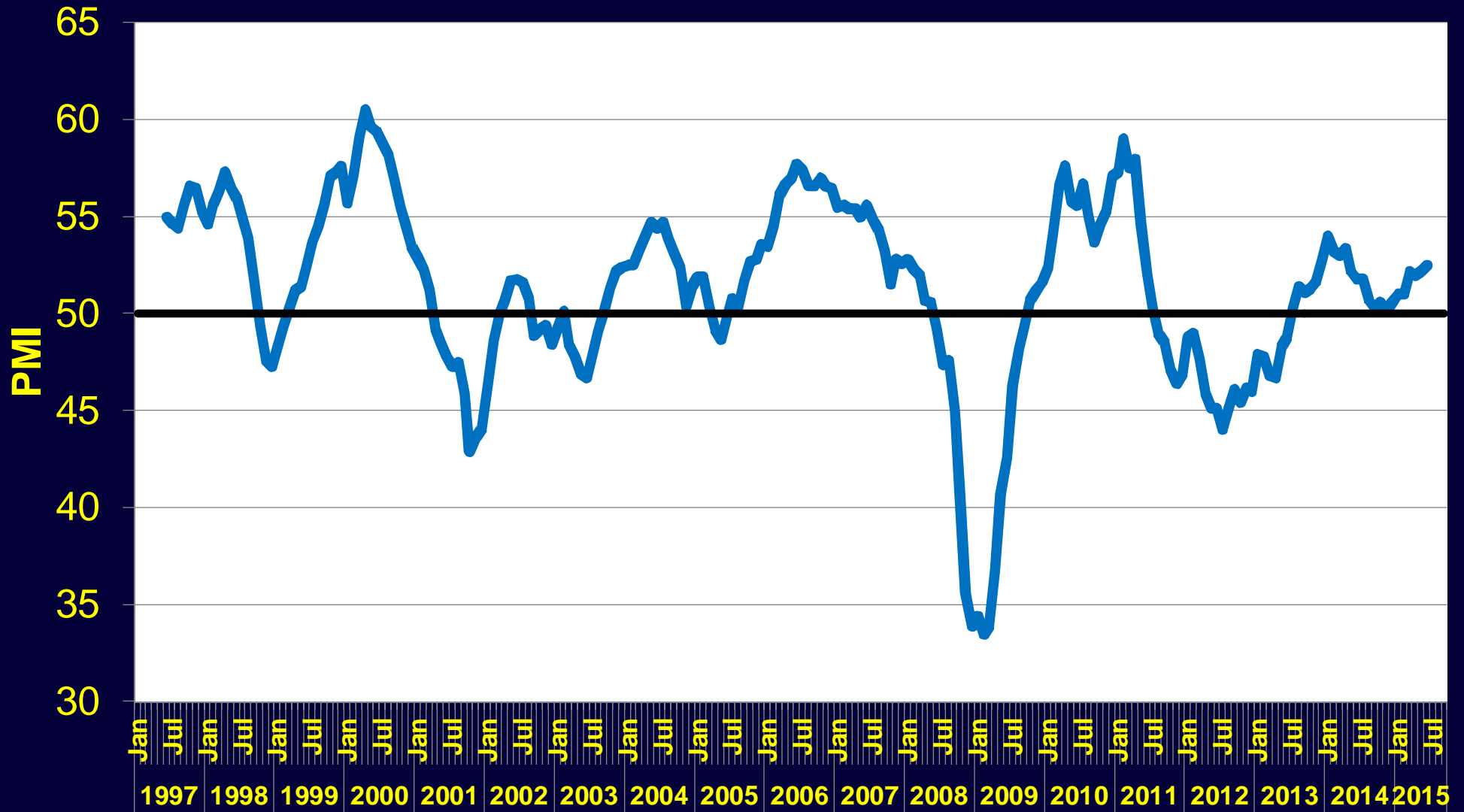
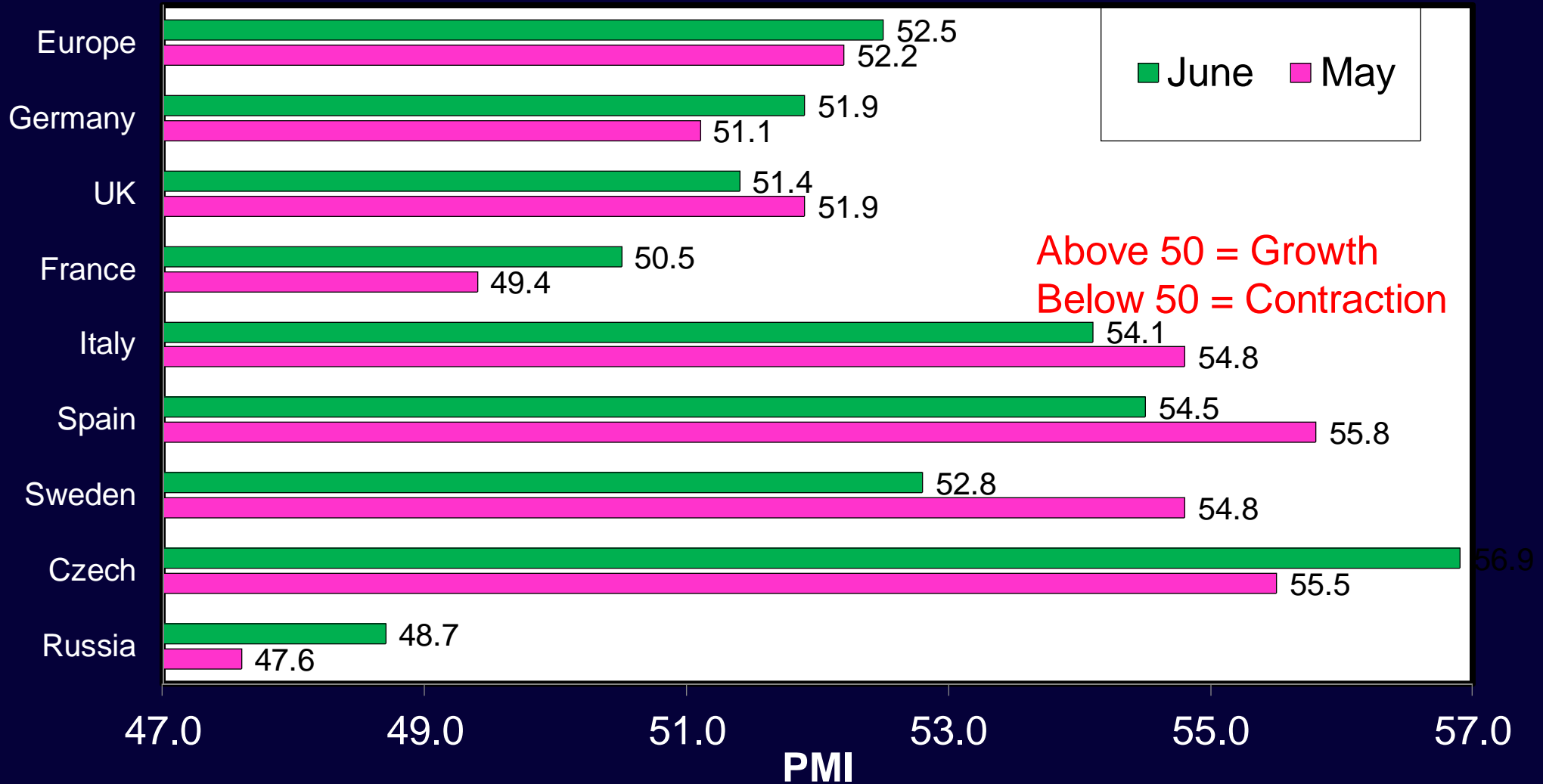
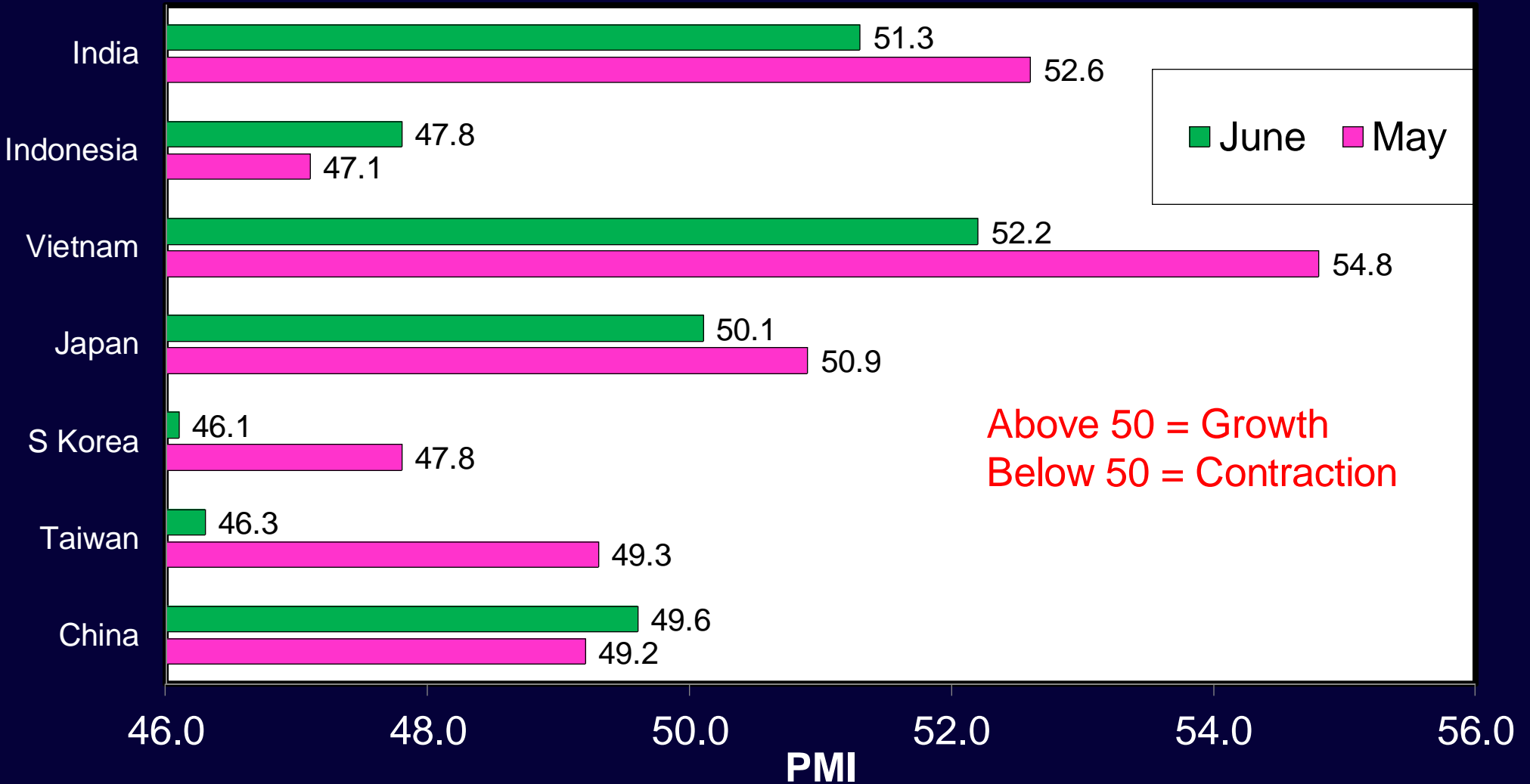


Chart 8

European Purchasing Managers' Indices June vs. May 2015

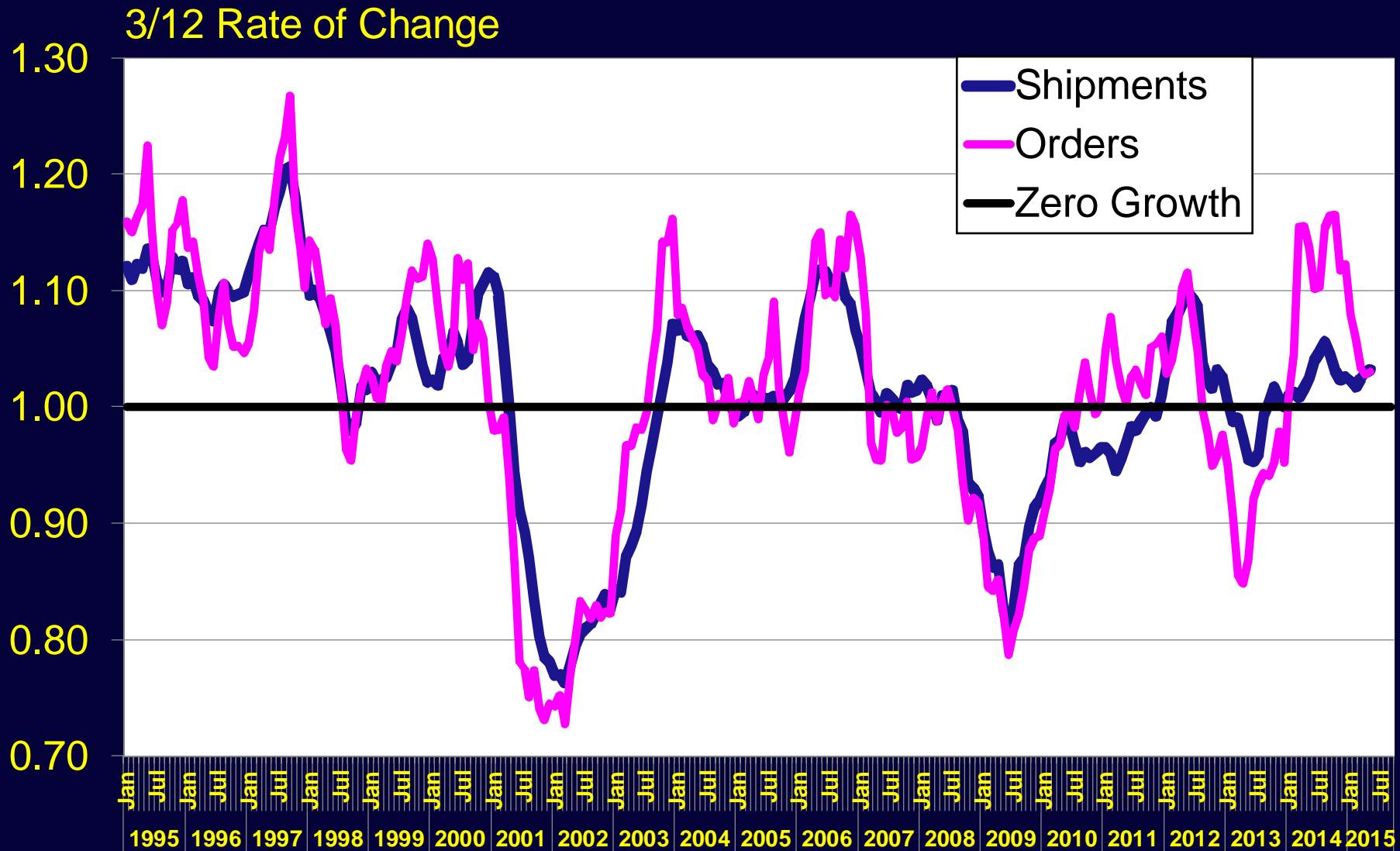


Asian Purchasing Managers' Indices June vs. May 2015



U.S. Electronic Equipment Order & Shipment Growth

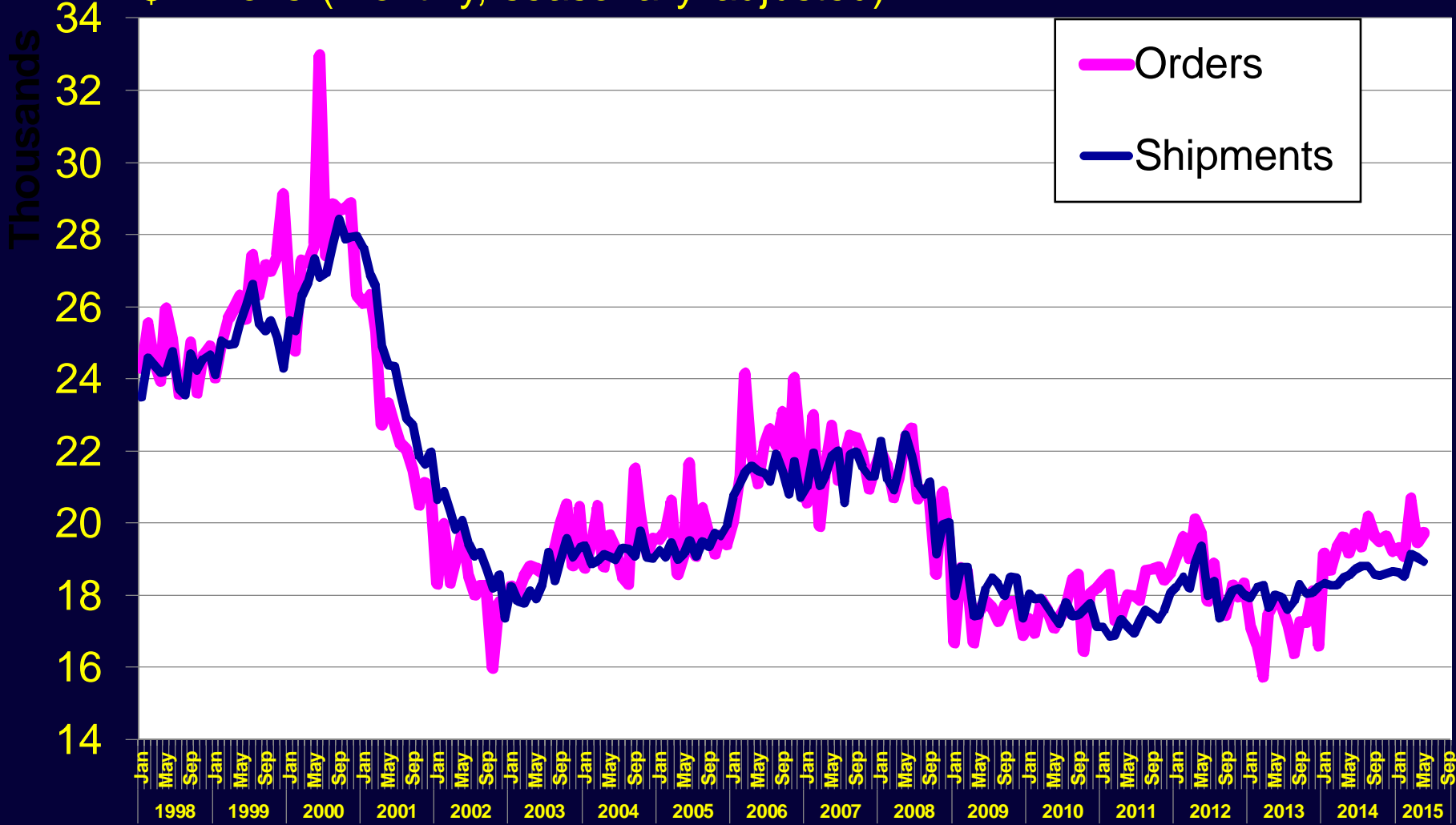
Computer, Communications, Measurement & Control and Military



U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

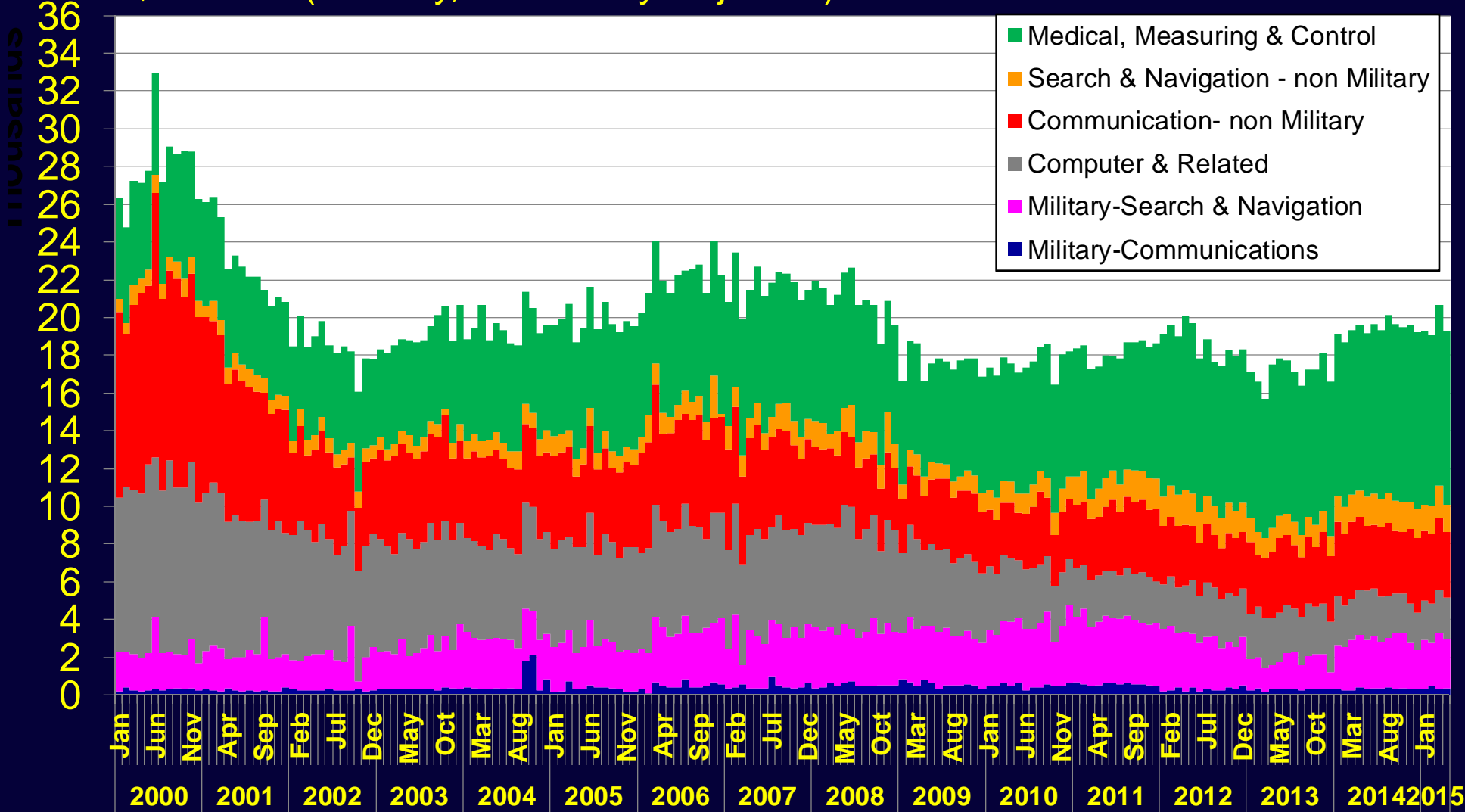
\$ Billions (monthly, seasonally adjusted)



U.S. Electronic Equipment Orders

Monthly Data

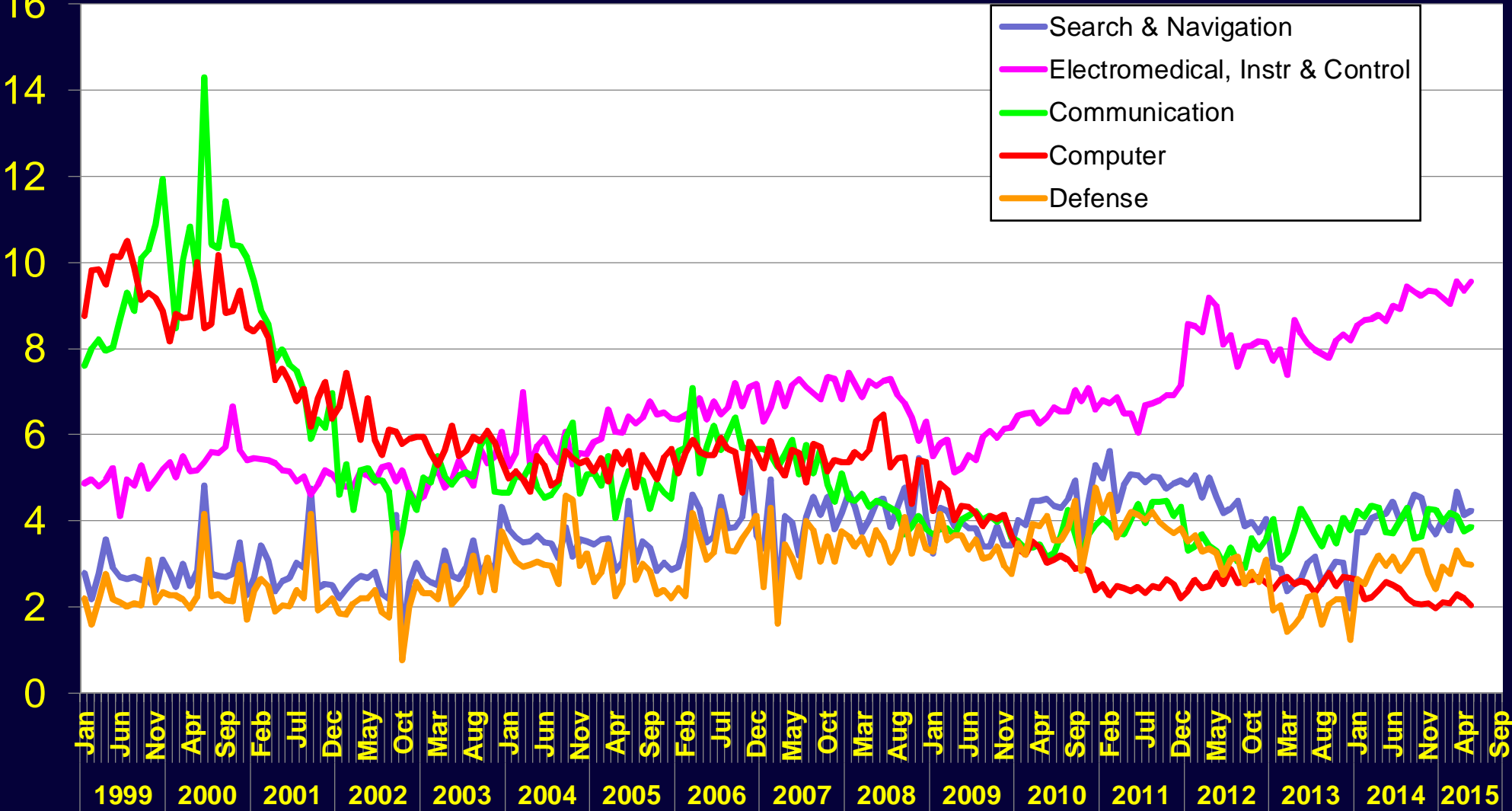
\$ Billions (monthly, seasonally adjusted)



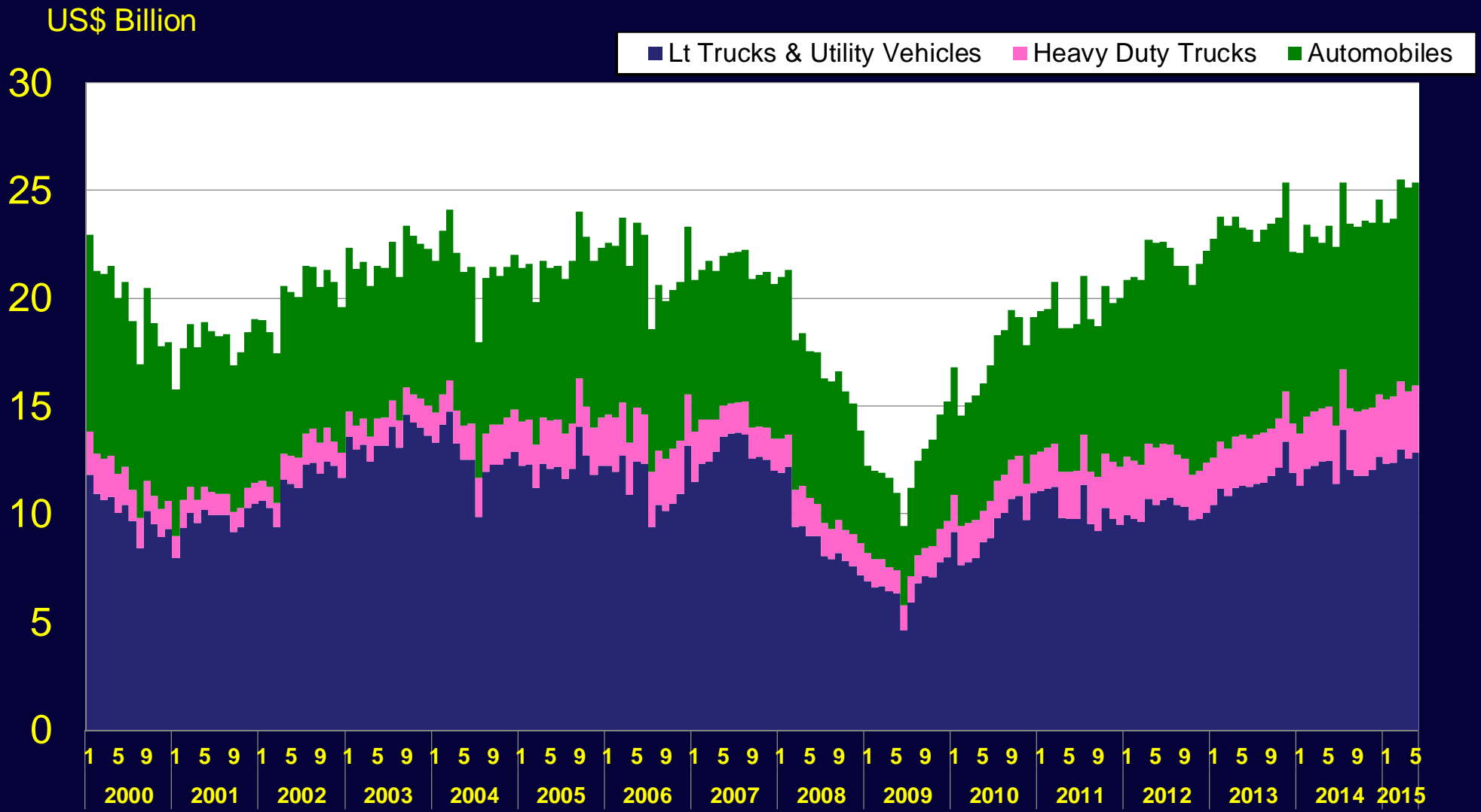
U.S. Electronic Equipment Orders

Monthly Data

\$ Billions (monthly, seasonally adjusted)

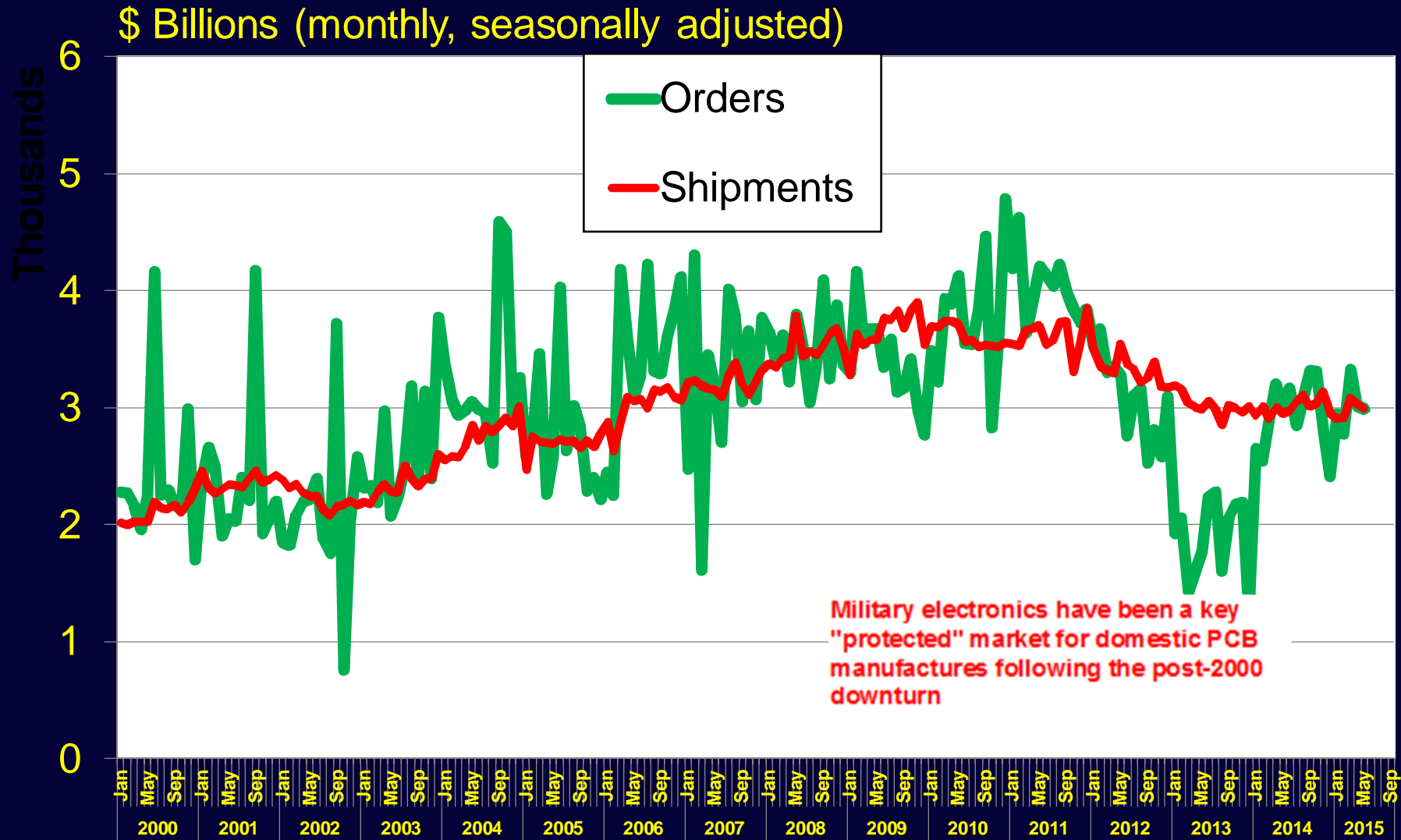


U.S. Vehicle Shipments

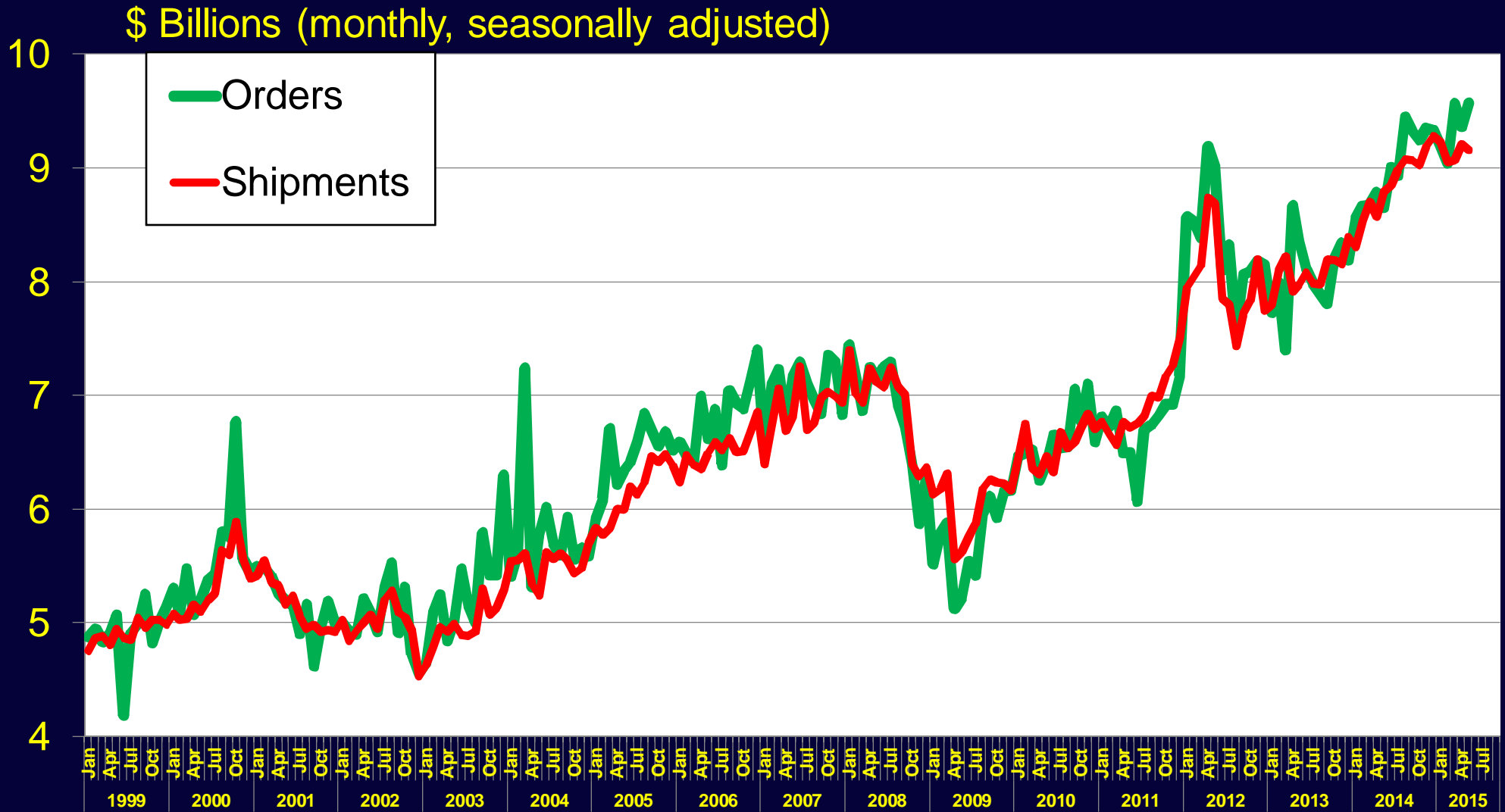


U.S. Military Electronics Orders & Shipments

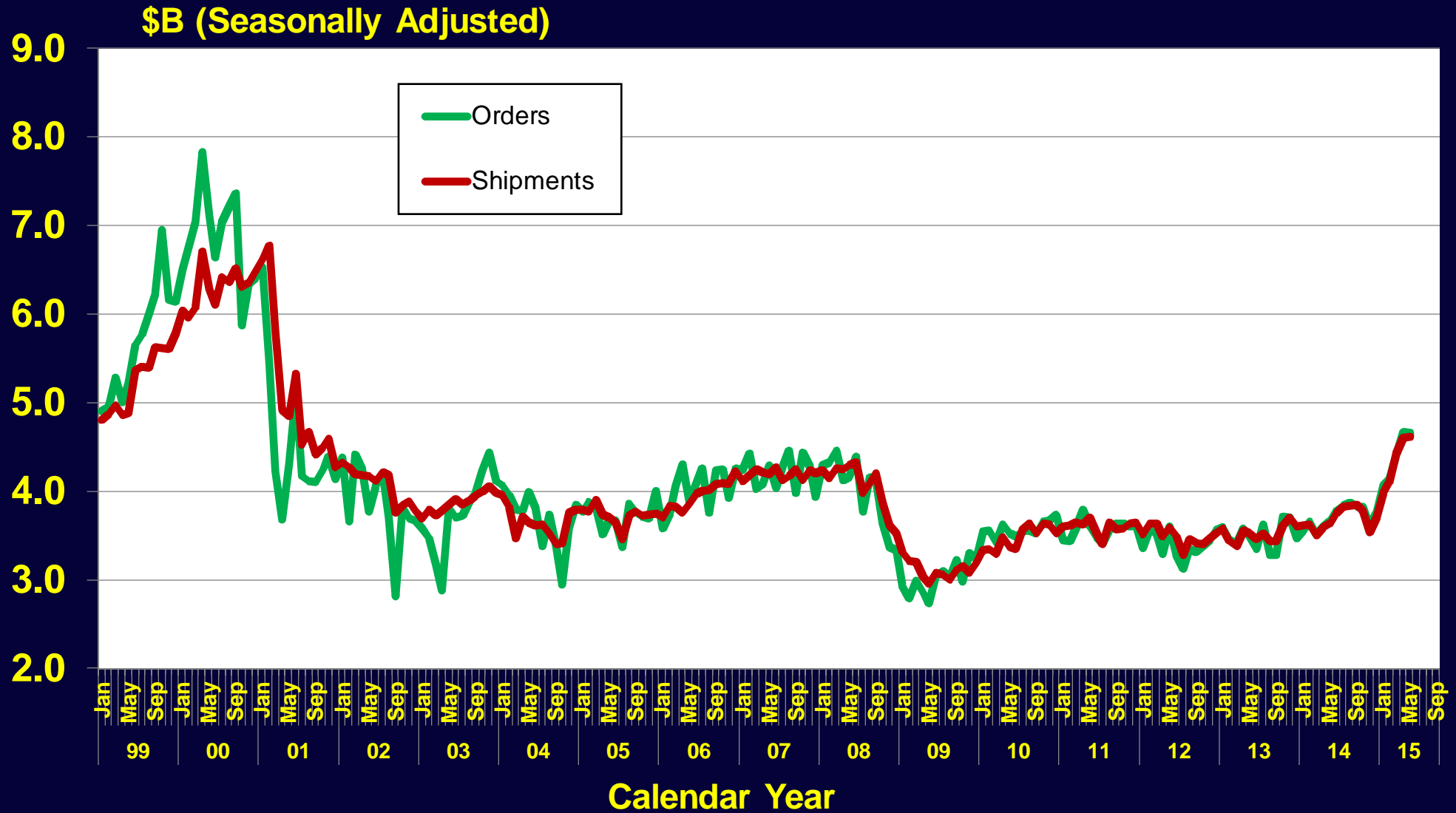
Defense Communication & Search & Navigation Equipment



U.S. Electromedical, Measurement & Control Equipment Orders & Shipments

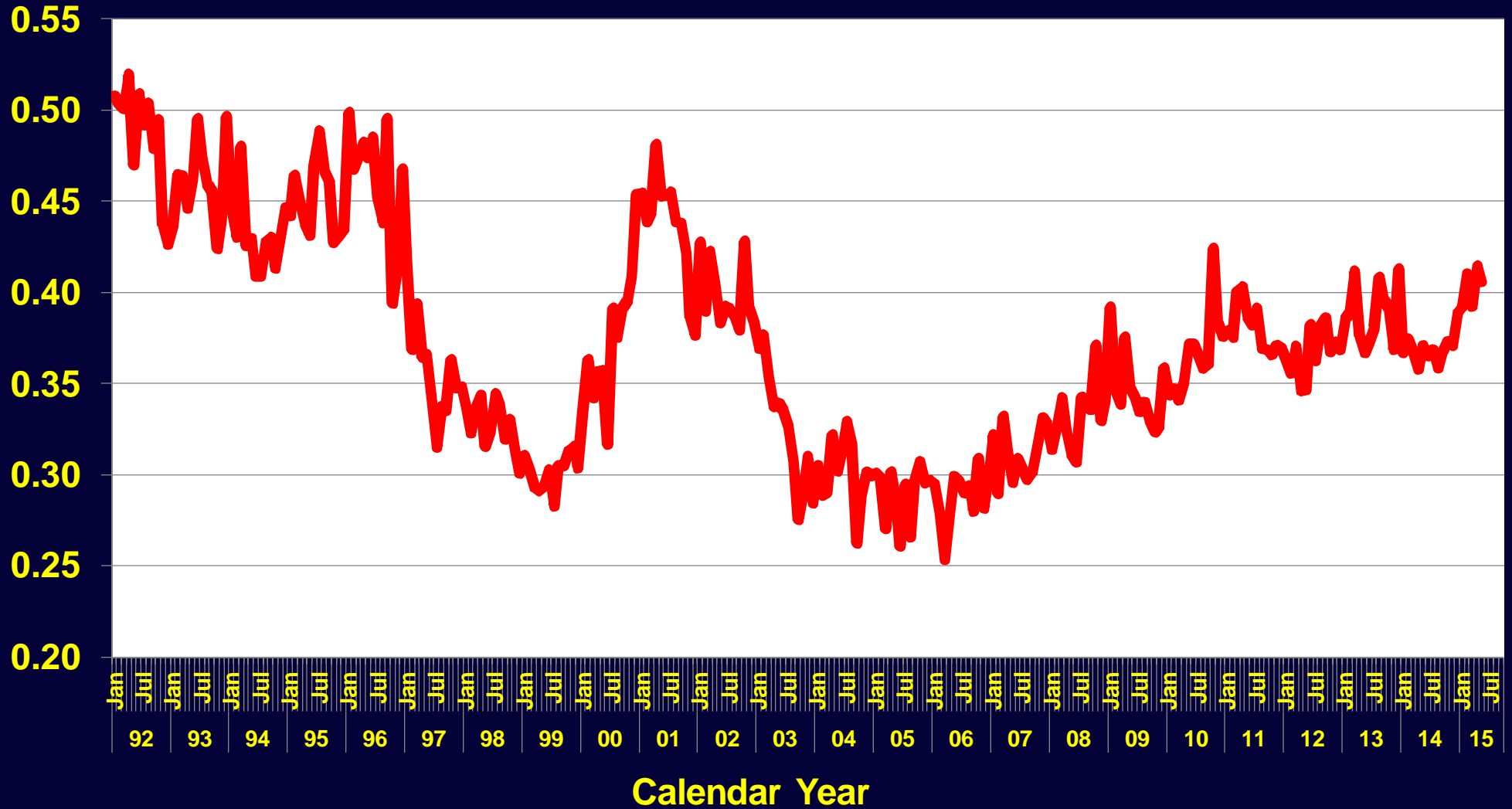


U.S. Production: "Other" Electronic Components (excludes semiconductors) Orders & Shipments

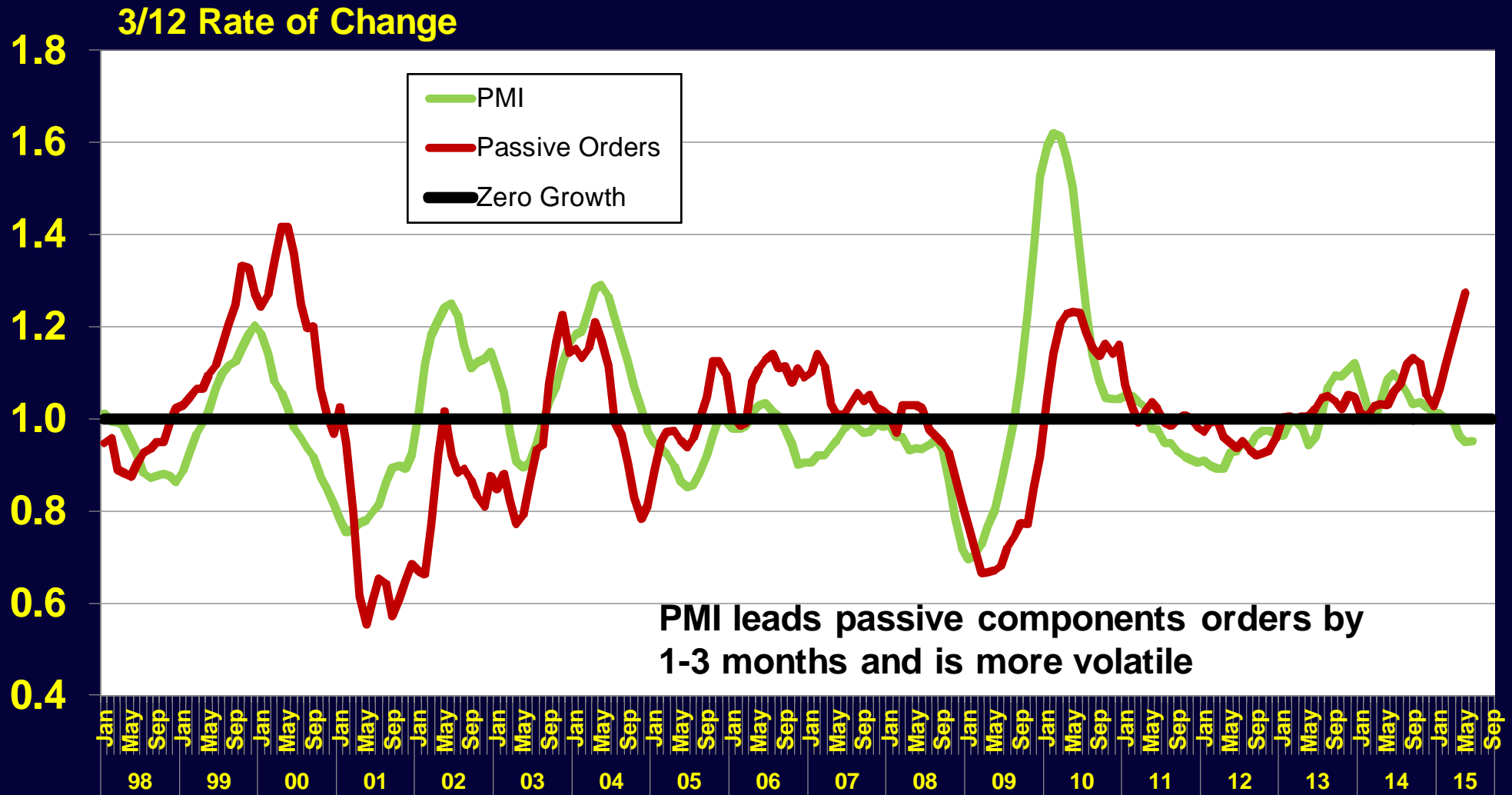


U.S. Production: "Other" Electronic Components (excludes semiconductors)

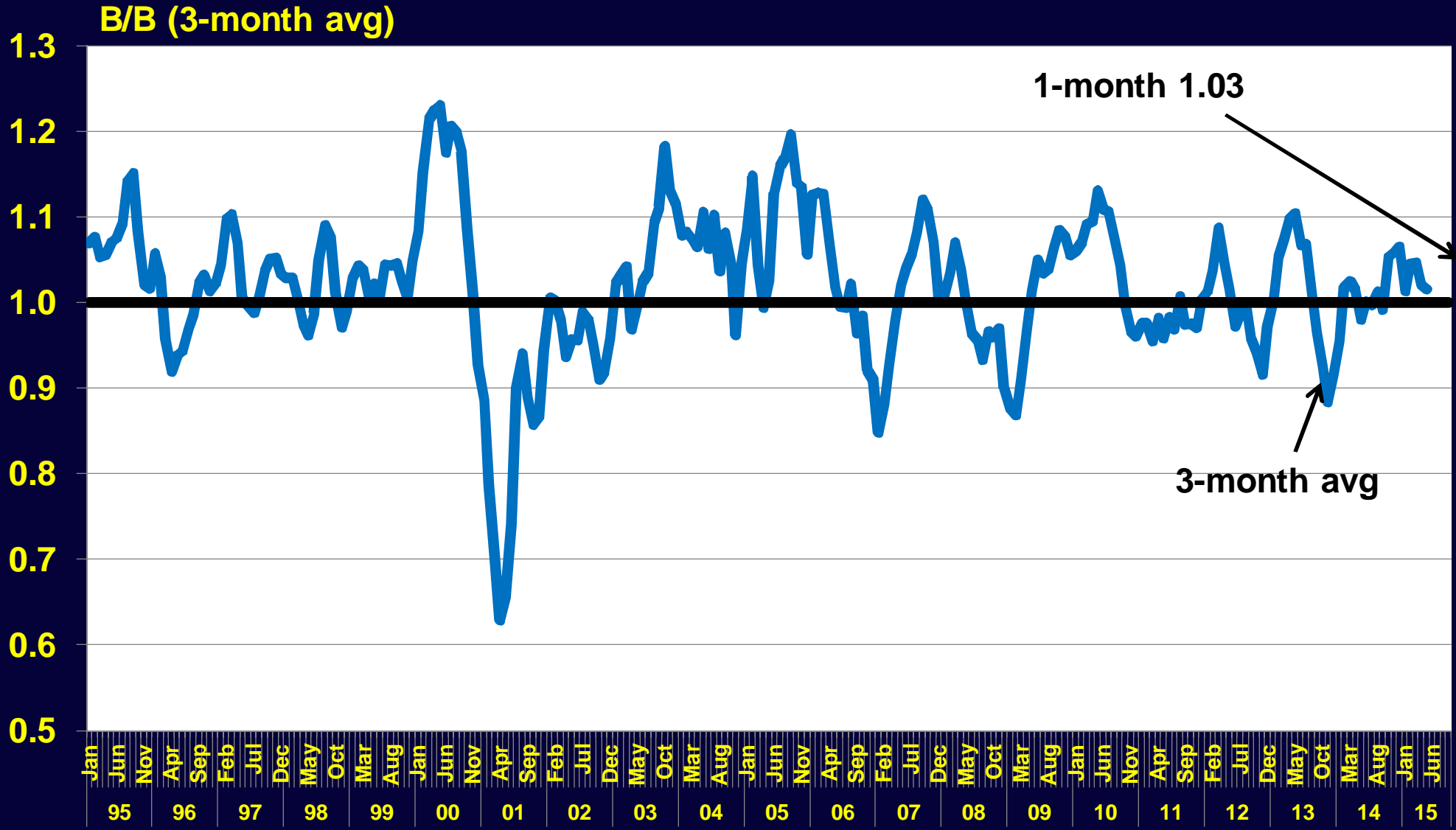
US Component Inventories / US Electronic Equipment Orders



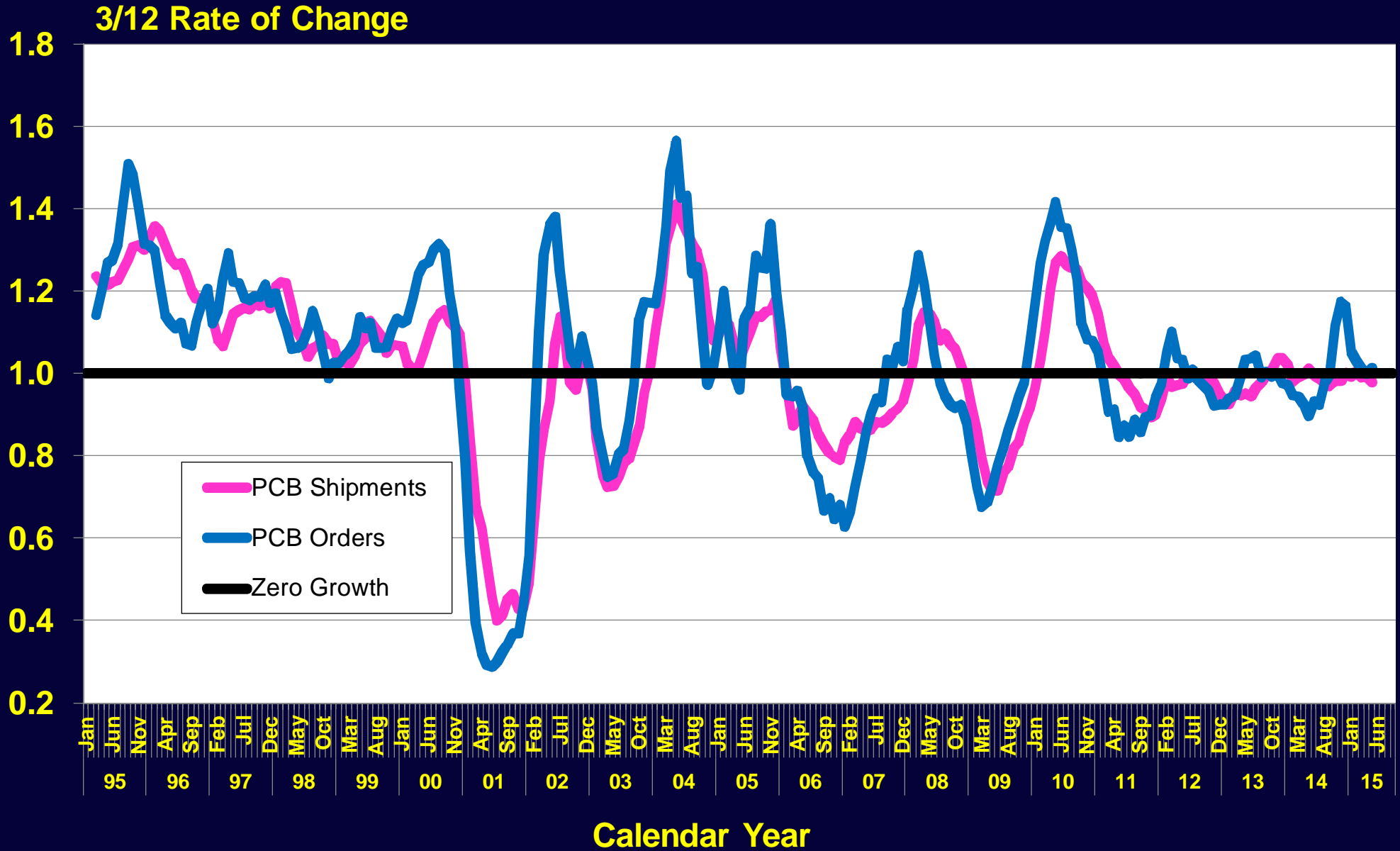
U.S. Passive Component Orders vs. U.S. PMI



Rigid & Flexible PCB Book/Bill N. America

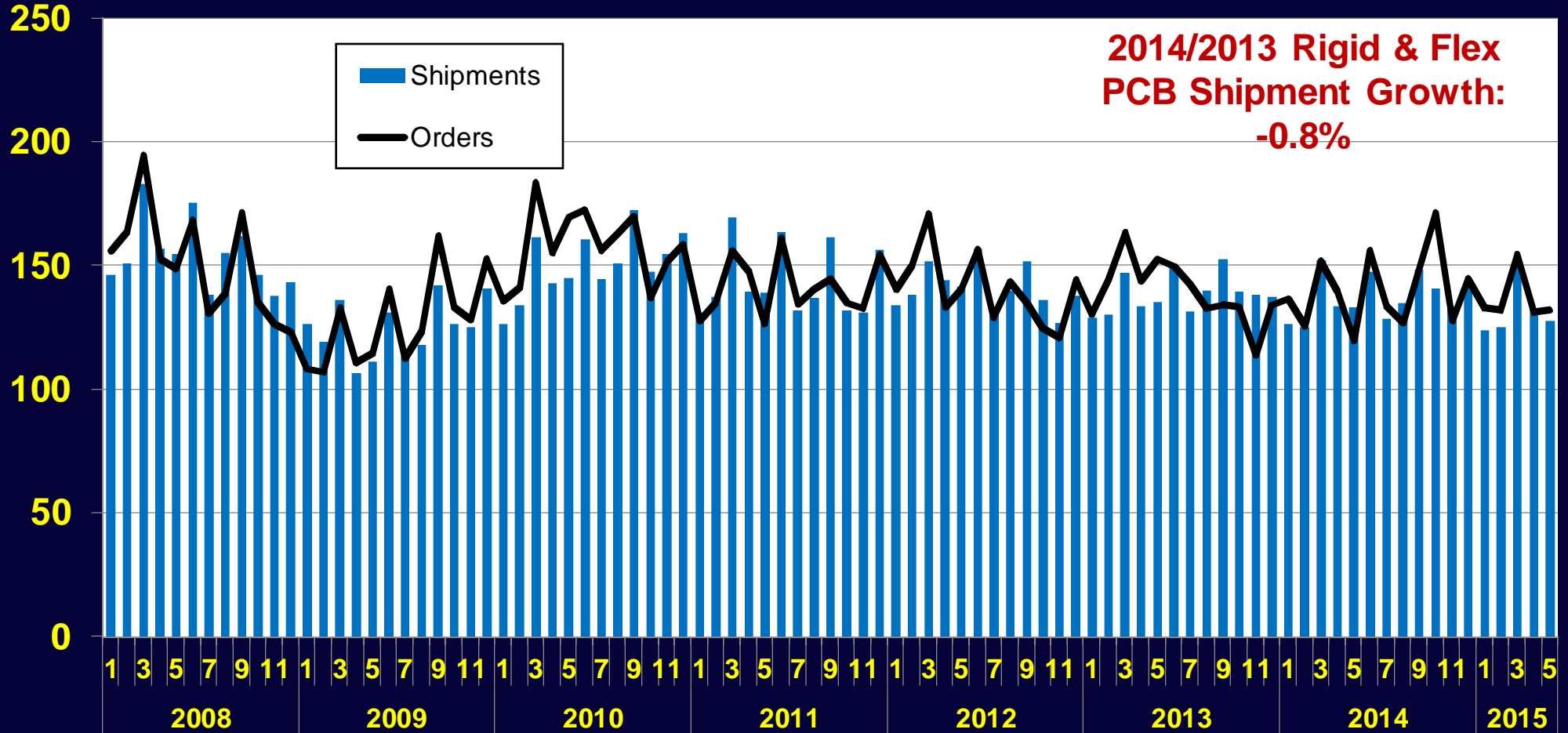


N. America Rigid & Flexible PCB Orders & Shipments



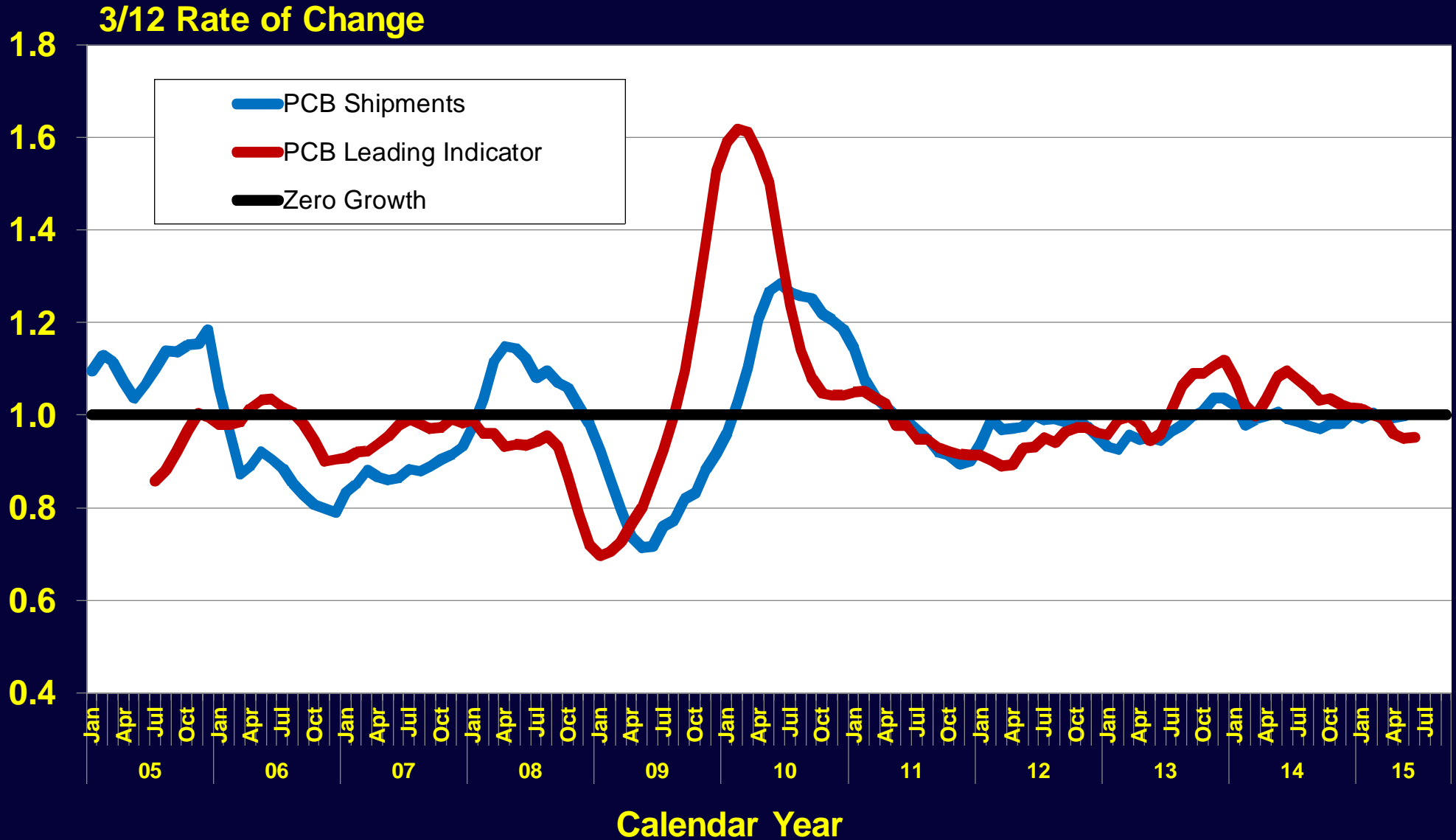
N American Rigid & Flexible PCB Shipments & Orders

\$M (statistical sample of about 50% of producers)



Note: IPC survey captures "market" not domestic production. About 15% of the above represents imported boards resold by N American PCB producers in survey.

N America CCG PCB Leading Indicator vs. N America Rigid & Flex PCB Shipments



Source: Custer Consulting Group

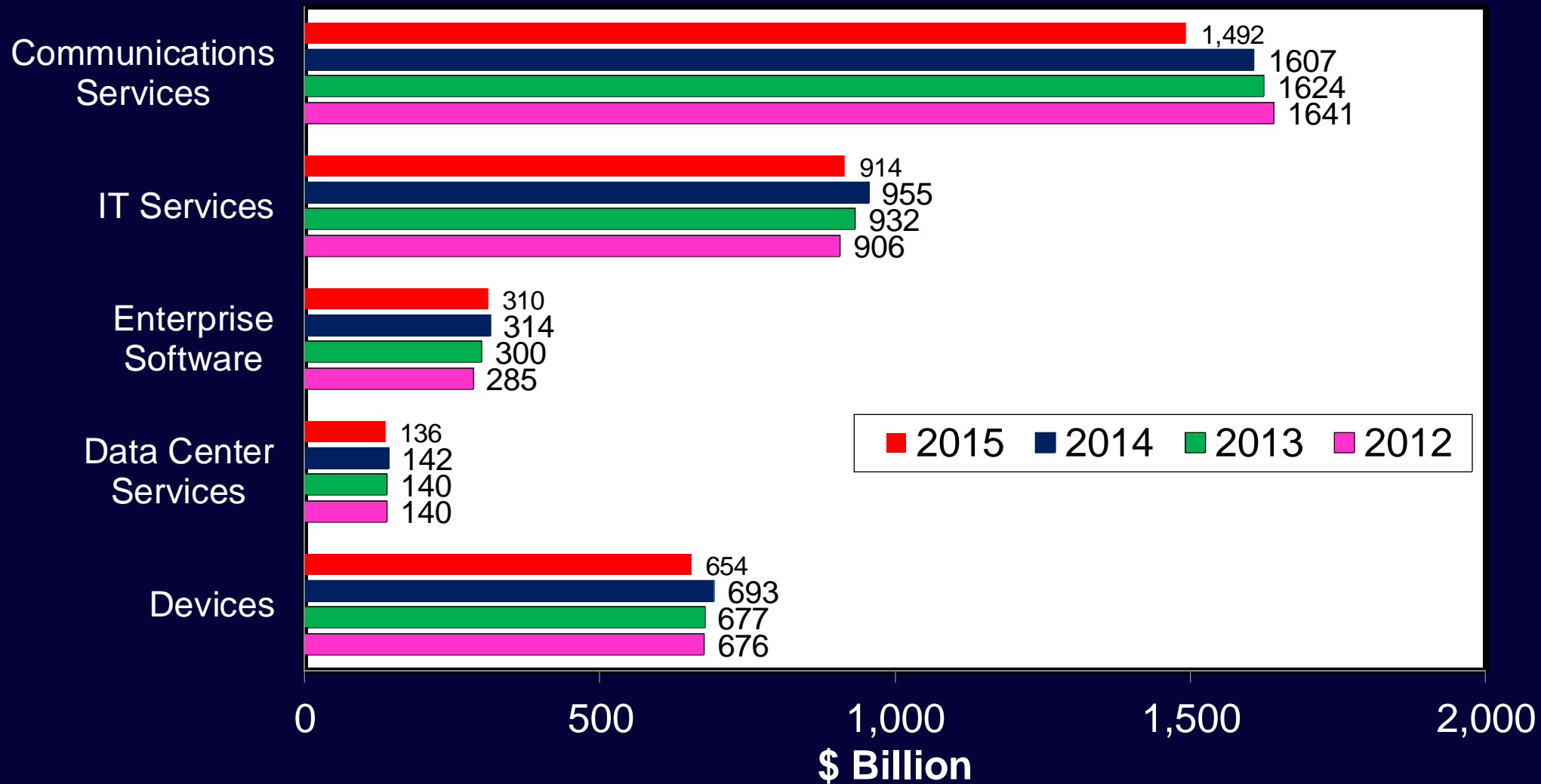
Present Growth Rates (%)

U.S. Economy & Electronics Industry

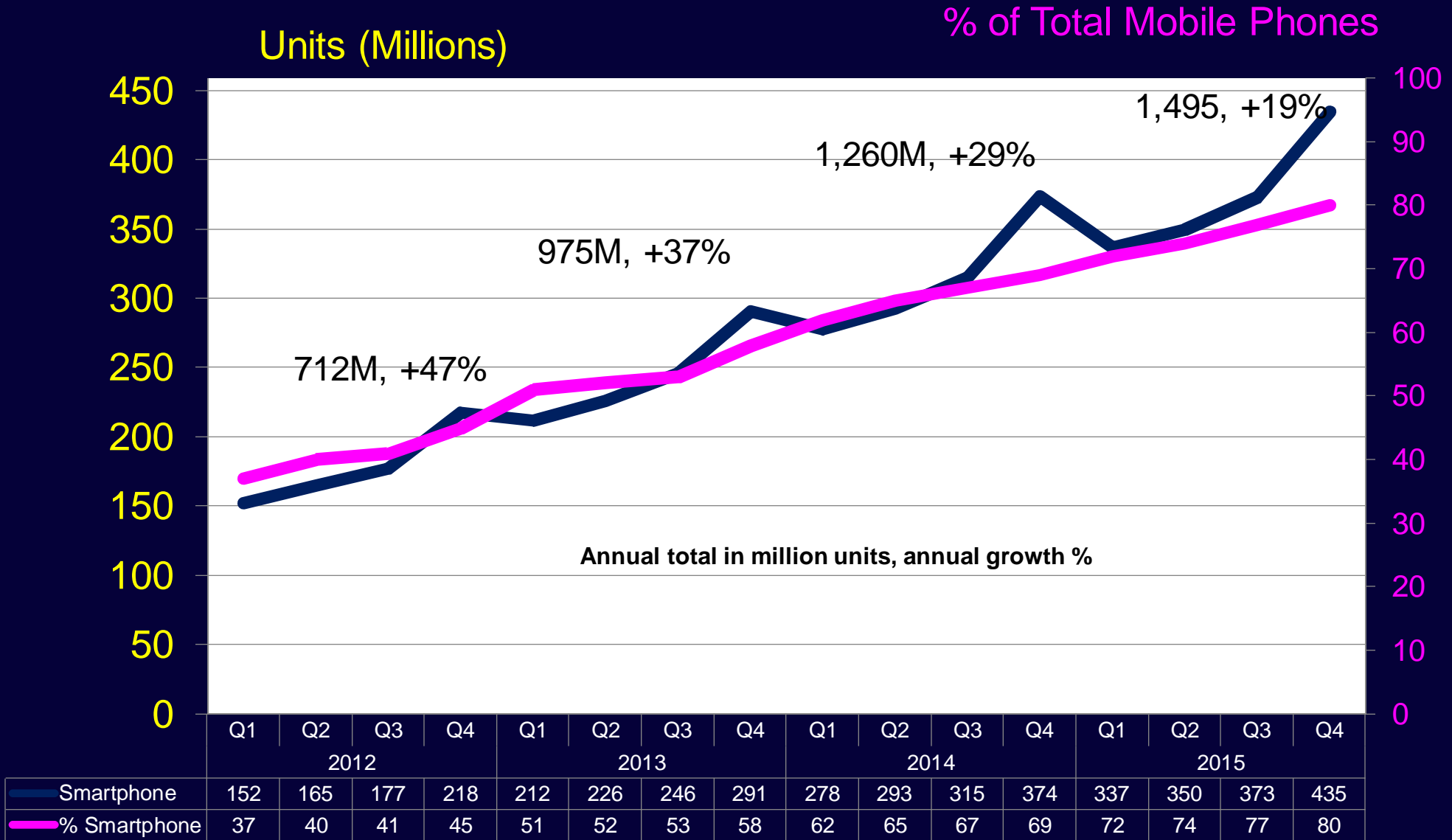
	Latest Month	Annual Growth	3-Month Growth
Electronic Component \$			
Rigid & Flex PCB Orders (N Amer)	5/15	104.8	101.5
Rigid & Flex PCB Shipments (N Amer)	5/15	98.0	95.8
Electronic Component Orders	5/15	114.2	127.5
Electronic Component Shipments	5/15	112.4	127.3
Semiconductor Shipments to N America	4/15	112.5	112.2
U.S. Electronic Equipment Orders \$			
Computer & Related	5/15	86.6	90.6
Communication	5/15	101.5	94.9
Medical, Measurement & Control	5/15	111.5	109.2
Search & Navigation	5/15	127.6	105.4
Defense Capital Goods	5/15	91.3	72.4
Military Electronics	5/15	128.2	102.8
Total Electronic Equipment	5/15	108.8	103.0
U.S. Industrial Production	5/15	103.8	102.0

NOTE: 3 month growth rates compare most recent 3 months to same 3 months one year earlier

IT Spending, World

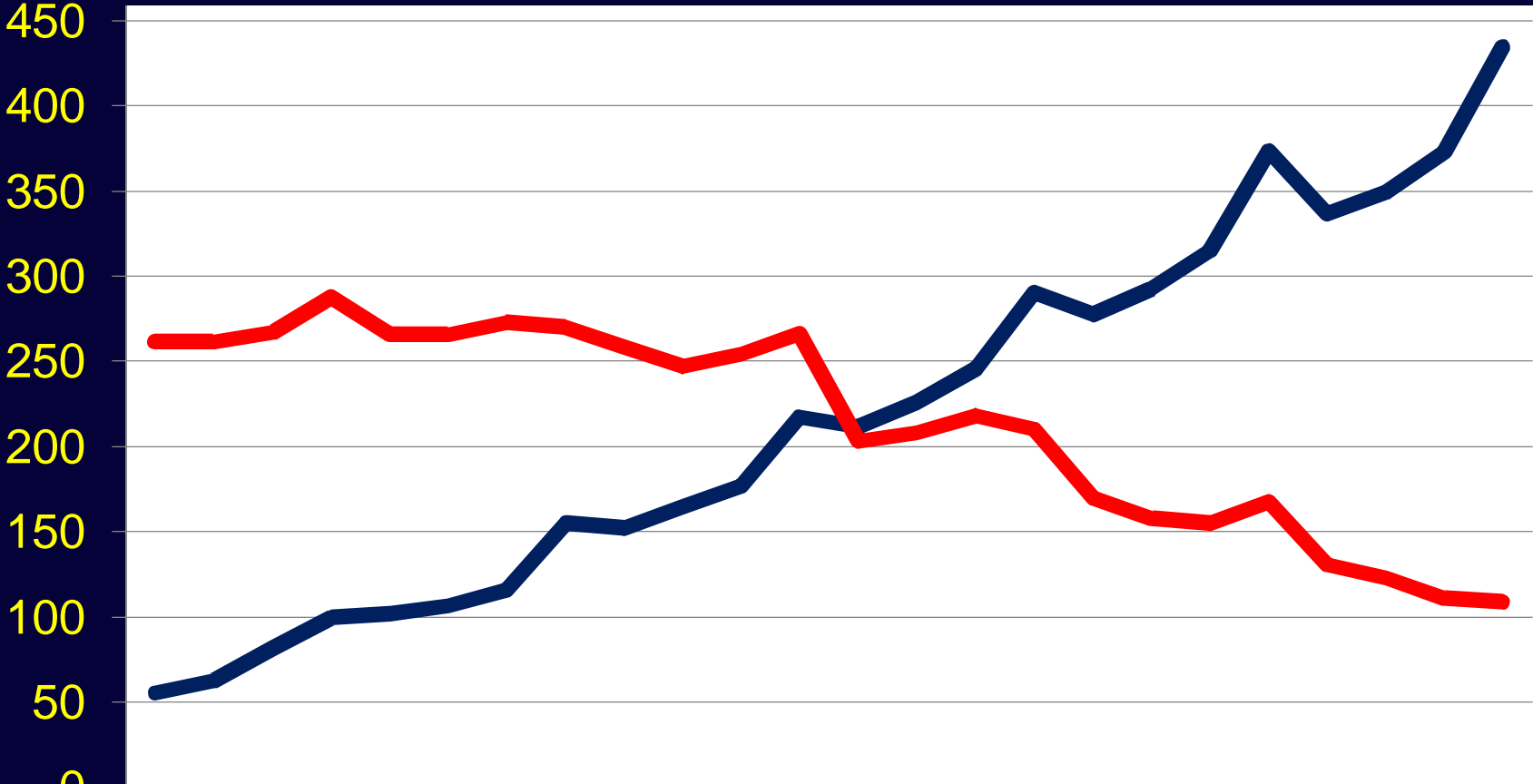


Smartphone Unit Sales & % of Total Cellphone Shipments 2010-2015



Smartphone vs. Non Smartphone Shipments 2010-2015

Units (Millions)



	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	2010				2011				2012				2013				2014				2015			
Smartphone	56	63	82	100	102	107	116	155	152	165	177	218	212	226	246	291	278	293	315	374	337	350	373	435
non-Smartphone	262	262	267	288	266	266	273	270	259	248	255	266	204	209	218	211	170	158	155	168	131	123	111	109